



February 10, 2021

Project 8620200310

Ms. Bianca Handley  
U.S. Environmental Protection Agency  
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San Francisco, California 94105

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**Subject: January 2021 Monthly Progress Report (electronic submittal)**  
North Hollywood Operable Unit  
Second Interim Remedy  
Groundwater Remediation Design

Dear Ms. Handley:

On behalf of Honeywell International Inc., attached is the January 2021 monthly progress report for North Hollywood Operable Unit (NHOU) Second Interim Remedy (2IR) treatment activities, pursuant to the October 2017 Unilateral Administrative Order for Remedial Action (U.S. EPA Region IX CERCLA Docket No. 2017-06; UAO) that became effective on February 1, 2018, and the First Amendment to the UAO (CERCLA Docket No. 2019-12) dated July 8, 2019.

Please contact me at (510) 663-4100 if you have questions regarding this submittal.

Sincerely,  
Wood Environment & Infrastructure Solutions, Inc.

Michael Taraszki, PG CA 6457, CHG CA 586, PMP  
Project Principal

MT/MR  
[https://woodplc.sharepoint.com/teams/hon-nhou/shared documents/general/03.0 doc & data control/monthly progress reports/2021/2021.02.10/r35216\\_nhou\\_2021feb10\\_ra\\_hon\\_monthly prog report.docx](https://woodplc.sharepoint.com/teams/hon-nhou/shared%20documents/general/03.0%20doc%20&%20data%20control/monthly%20progress%20reports/2021/2021.02.10/r35216_nhou_2021feb10_ra_hon_monthly%20prog%20report.docx)

Attachment: January 2021 Monthly Progress Report

cc: Mike Heitmann (Honeywell)  
Vahe Dabbaghian (LADWP)  
Nicole Alkov and Christina Humphreys (RWQCB-LA)  
Laura Radke (DTSC)  
Chi Diep (SWRCB DDW)  
John Wingate (OTIE)  
Kevin Murdock (Jacobs)



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Monthly Progress Report – NHOU Second Interim Remedy

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## JANUARY 2021 NHOU Monthly Progress Report

### ACTIVITIES COMPLETED FOR THE REPORT PERIOD

- Grading and building (equipment pads and warehouse), electrical, and HVAC permits on Lankershim Yard have been obtained from the LA Department of Building and Safety (LADBS) for the Phase 1B Groundwater Treatment System construction; additional plan check activities are ongoing (e.g., plumbing, wellhead electrical designs) and resubmittals are anticipated (e.g., equipment pad anchoring);
- Wood completed removal of first interim remedy foundation (following LADWP's depowering the associated transformer), continued to prepare Lankershim Yard for excavation and installation activities, and completed exterior surveying and potholing and interior demolition of the warehouse except (for removal of the SCADA equipment that is currently associated with the LADWP's chlorination station);
- Wood provided Phase 1B construction submittals to the LA Department of Water and Power (LADWP) for their review; temporary utilities for construction trailers at Lankershim Yard have been installed;
- Wood completed the Step 2 and Step 4 reports in support of LADWP's efforts to obtain an amended drinking water permit from the Division of Drinking Water (DDW), pursuant to the DDW's 97-005 Policy Memo; and,
- Wood completed subsurface surveying and geotechnical investigation fieldwork associated with Phase 2B conveyance design.

### ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS

- Honeywell/Wood actions:
  - Wood will continue with the Phase 1B groundwater treatment system plan check and permitting processes with LADBS (e.g., plumbing and wellhead electrical permits, and resubmittals for equipment pad anchoring systems);
  - Wood will commence excavation, backfill, and piping installation on the northern portion of the Lankershim Yard;
  - Wood will continue to provide contractor submittals for the Phase 1B Groundwater Treatment System to LADWP for review;
  - Honeywell/Wood will perform potholing along the alignments of the Phase 2B conveyance once LA Bureau of Engineering (LABOE) permits have been obtained;
  - Honeywell/Wood will incorporate LADWP comments on the Preliminary (30%) Design into the Intermediate (60%) Design package; and,
  - Honeywell/Wood will continue supporting LADWP with the DDW 97-005 permit process (the January 28 meeting with DDW was rescheduled).



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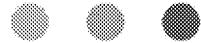
## **JANUARY 2021 NHOU Monthly Progress Report (continued)**

### **ANTICIPATED ACTIVITIES FOR THE NEXT SIX WEEKS (CONTINUED)**

- LADWP actions (anticipated):
  - Coordinate with Wood regarding construction activities associated with the Phase 1B Groundwater Treatment System (including review of contractor submittals and issued-for-construction drawings);
  - Coordinate with Wood on outstanding Phase 2B conveyance design decisions;
  - LADWP's Power Group will sign-off on the designs for the Phase 1B stormwater conveyance, Phase 1B wellheads, and Phase 2B conveyance; and,
  - Continue development and submittal of documents associated with the DDW 97-005 permit process.
- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System construction, as needed.

### **ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS**

- Honeywell/Wood actions:
  - Wood will obtain all necessary permits and will continue with construction of the Phase 1B Groundwater Treatment System (e.g., underground plumbing, concrete pads/anchoring systems, equipment installation);
  - Wood will provide contractor submittals for the Phase 1B Groundwater Treatment System to LADWP for review;
  - Wood will submit a Phase 1B Groundwater Treatment System commissioning plan for LADWP/DDW review;
  - Honeywell/Wood will submit the Intermediate (60%) Design for the Phase 2B conveyance for EPA and LADWP review in April 2021;
  - Honeywell/Wood will perform basin-wide groundwater sampling in April 2021 (pending COVID-19 status); and,
  - Honeywell/Wood will continue to support LADWP with the DDW 97-005 process.



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## JANUARY 2021 NHOU Monthly Progress Report (continued)

### ANTICIPATED ACTIVITIES FOR THE NEXT SIX MONTHS (CONTINUED)

- LADWP actions (anticipated):
  - Review submittals and issued-for-construction drawings associated with the Phase 1B Groundwater Treatment System;
  - Participate in Phase 1B Groundwater Treatment System construction meetings;
  - Review the Intermediate (60%) Design for the Phase 2B conveyance; and,
  - Continue development and submittal of documents associated with the DDW 97-005 process, including meeting with DDW.
- U.S. EPA actions (anticipated):
  - Perform periodic site inspections of the Phase 1B Groundwater Treatment System, and participate in associated construction meetings, as required; and,
  - Review the Intermediate (60%) Design for the Phase 2B conveyance.

### SCHEDULE UPDATE

- An updated Phase 1B Groundwater Treatment System construction schedule is attached.

### ISSUES AND CORRECTIVE ACTIONS

- None.

### UNRESOLVED ISSUES/POTENTIAL IMPACTS TO SCHEDULE/WORK PLAN (FOR EPA APPROVAL)

- The LADBS building permit process (for Phase 1B construction) has been much slower than ordinarily anticipated due to impacts on LADBS staffing/resources resulting from COVID-19 restrictions (force majeure: schedule currently pushed out by approximately three months);
- Similarly, obtaining clearance from LADWP Power Group has been delayed due to COVID-19 restrictions, which has caused delays to Wood's schedule for performing its scope within the transmission corridor (e.g., Phase 2B conveyance alignment) (force majeure: schedule currently pushed out by approximately two months);
- Utility shutdowns on Lankershim Yard as needed to be performed by LADWP were delayed due to partial impact by COVID-19 restrictions; new utility connections to construction trailers have also been delayed (force majeure: schedule pushed out by over two months);
- Impacts from COVID-19 restrictions on Wood's schedule will be updated monthly for the duration of the impacts; costs will be evaluated as incurred or known;
- Discussions with LADWP regarding necessary changes to the Phase 2B alignments has delayed completion of field work needed to prepare the 60% Design by approximately three weeks



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## **JANUARY 2021 NHOU Monthly Progress Report (continued)**

### **DESIGN CHANGES OF NOTE**

- Los Angeles Fire Department comments on Phase 1B design require that a fire wall be installed behind (east of) the hydrogen peroxide tank because the strong oxidizer will be stored near the property line. Fire wall design is being submitted to LADBS for plan check;
- Anchoring systems for equipment pads (accounting for seismic calculations) will require submittal to LADBS for final permitting; and,
- The Phase 2B 8-inch influent conveyance line route to cross Lankershim Blvd. remains under discussion with LADWP.



# HON North Hollywood Operable Unit

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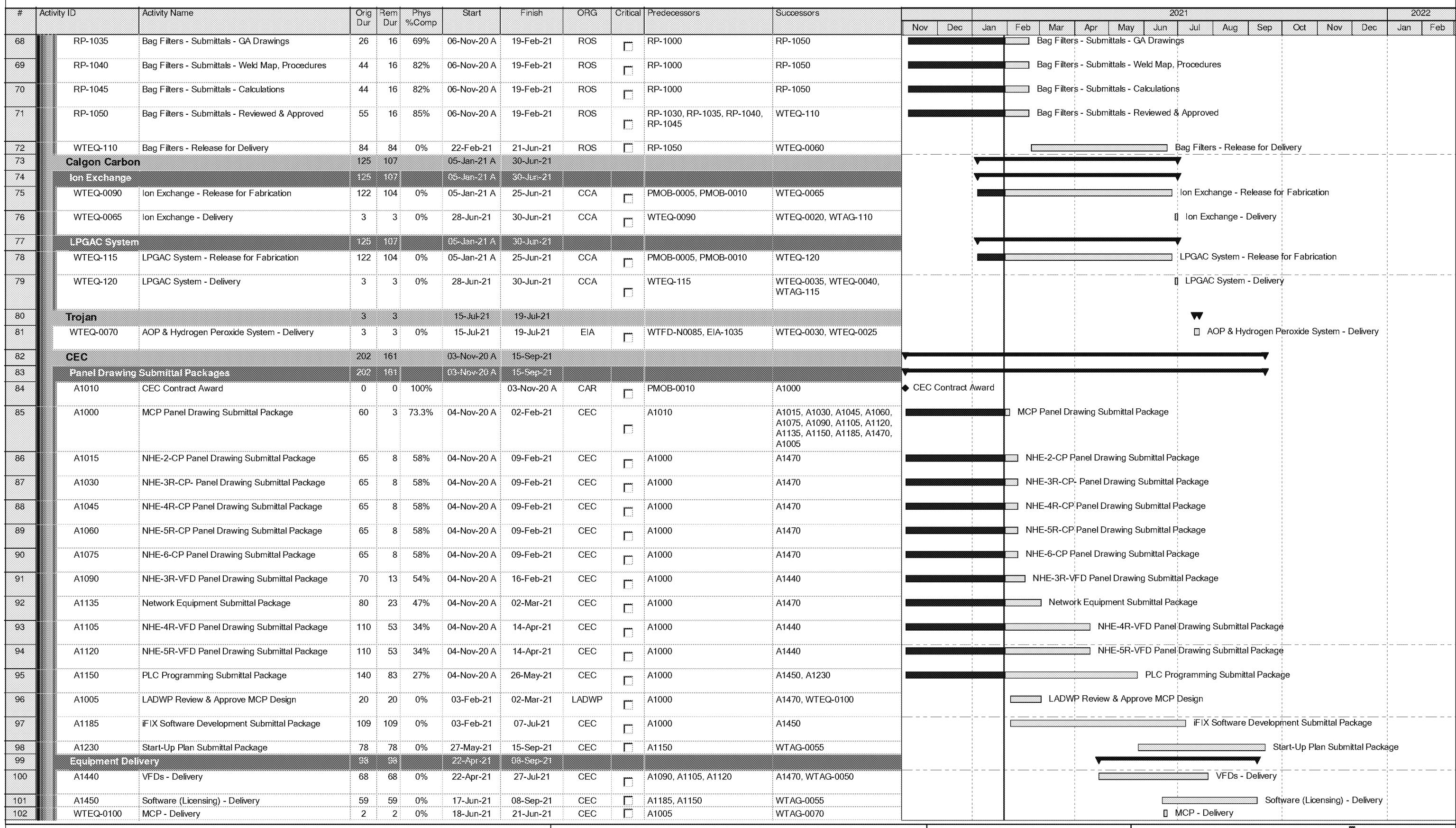
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	ORG	Critical	Predecessors	Successors	2021												2022			
												Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
1		<b>HON North Hollywood Operable Unit</b>	1097	627		29-Mar-19 A	17-Jul-23																				
2		<b>Milestones</b>	730	598		28-Aug-20 A	17-Jul-23																				
3	M1	Contract Award	0	0	100%			28-Aug-20 A	HON	<input type="checkbox"/>	PMOB-0005	EIA-1030, CO-0024															
4	M2	Mobilization	0	0	100%	16-Oct-20 A		CAR	<input type="checkbox"/>	MOB-0005	DEMO-0005																
5	M13	NS - New Slab Area - Backfill & Compact	0	0	0%		10-Mar-21		<input type="checkbox"/>	WTUG-N0015	WTUG-N0055, WTUG-N0030, M3, WTFD-N0020														◆ NS - New Slab Area - Backfill & Compact		
6	M14	Chemical Truck Unloading Ramp 2/S-501	0	0	0%		31-Mar-21		<input type="checkbox"/>	WTFD-N0030	WTFD-N0035															◆ Chemical Truck Unloading Ramp 2/S-501	
7	M3	North Side Main Conveyance Lines - Backfill & Compact	0	0	0%		06-Apr-21		<input type="checkbox"/>	WTUG-N0015, WTUG-N0050, M13	WTUG-N0020														◆ North Side Main Conveyance Lines - Backfill & Compact		
8	M15	Hydrogen Peroxide Tank Foundations 6/S-504	0	0	0%		22-Apr-21		<input type="checkbox"/>	WTFD-N0040	WTFD-N0100, WTFD-N0095, WTEQ-0050, WTEQ-0025													◆ Hydrogen Peroxide Tank Foundations 6/S-504			
9	M17	12" SOG - 15/S-601	0	0	0%		28-May-21		<input type="checkbox"/>	WTFD-N0055	WTFD-N0065, WTEQ-0050														◆ 12" SOG - 15/S-601		
10	M4	Backwash Holding Tank-Foundation; S-503	0	0	0%		15-Jun-21		<input type="checkbox"/>	WTFD-N0070	WTEQ-0005														◆ Backwash Holding Tank-Foundation; S-503		
11	M5	South Side UG Plumbing	0	0	0%		01-Jul-21		<input checked="" type="checkbox"/>	WTUG-S0015, WTUG-S0045, WTUG-S0075	WTUG-S0020													◆ South Side UG Plumbing			
12	M6	Backwash Supply Tank Foundation; S-506	0	0	0%		26-Aug-21		<input type="checkbox"/>	WTFD-S0025	WTEQ-0075														◆ Backwash Supply Tank Foundation; S-506		
13	M7	Anchor Process Support Equipment	0	0	0%		26-Oct-21		<input type="checkbox"/>	WTEQ-0010, WTEQ-0015, WTEQ-0020, WTEQ-0025, WTEQ-0030, WTEQ-0035, WTEQ-0040, WTEQ-0045, WTEQ-0050, WTEQ-0125	WTAG-0005												◆ Anchor Process Support Equipment				
14	M8	Substantial Completion	0	0	0%		17-Jan-22		<input checked="" type="checkbox"/>	CN-0020	M12, EPA-1015														◆ Substantial		
15	M9	Commissioning Complete	0	0	0%		14-Apr-22		<input checked="" type="checkbox"/>	EIA-9000, EIA-9015	EIA-9010																
16	M12	Construction Completion Report	0	0	0%		14-Apr-22		<input type="checkbox"/>	CO-0025, M8	M16																
17	M10	Commissioning Report	0	0	0%		21-Jul-22		<input type="checkbox"/>	EIA-9030	CO-0015																
18	M11	Operations & Maintenance Complete	0	0	0%		17-Jul-23		<input checked="" type="checkbox"/>	CO-0010, EIA-9020, EIA-9045	M16																
19	M16	Project Complete	0	0	0%		17-Jul-23		<input checked="" type="checkbox"/>	CO-0006, M11, CO-0015, M12																	
20	<b>Regulatory Submittals &amp; Approvals (Wood)</b>			721	228		29-Mar-19 A	21-Dec-21																			
21	<b>Pre-Construction Regulatory Submittals &amp; Approvals (EIA)</b>			367	93		29-Mar-19 A	28-Aug-20 A																			
22	EIA-1000	Submit 90% Design & RAWP	0	0	100%	29-Mar-19 A		EIA	<input type="checkbox"/>		LADWP-1000																
23	LADWP-1000	EPA & LADWP Review	0	0	100%	29-Mar-19 A	02-Aug-19 A	LADWP	<input type="checkbox"/>	EIA-1000	CAR-1000																
24	CAR-1000	Submit Final RAWP & Storm Drain Conveyance Design for Review	0	0	100%	02-Aug-19 A	03-Oct-19 A	EIA	<input type="checkbox"/>	LADWP-1000	EPA-1000																
25	EPA-1000	EPA Review & Comment Final RAWP	0	0	100%	03-Oct-19 A	25-Nov-19 A	EPA	<input type="checkbox"/>	CAR-1000	CAR-1005, EPA-1005																
26	CAR-1005	Revise and Submit Final RAWP	0	0	100%	22-Nov-19 A	23-Dec-19 A	EIA	<input type="checkbox"/>	EPA-1000, EPA-1005	CAR-1010, EIA-1020, EIA-1025, EIA-1030																
27	EPA-1005	EPA Comments Received	0	0	100%		25-Nov-19 A	EPA	<input type="checkbox"/>	EPA-1000	CAR-1005																
28	EIA-1030	Pre-Construction Regulatory Submittals & Approvals (EIA)	5	0	100%	04-Mar-20 A	28-Aug-20 A	EIA	<input type="checkbox"/>	CAR-1005, M1	EIA-1005															Regulatory Submittals & Approvals (EIA)	
29	CAR-1010	Submit Additional Construction Plans per RAWP (Final)	0	0	100%	15-May-20 A		EIA	<input type="checkbox"/>	CAR-1005	EPA-1010															(Final)	
30	EPA-1010	Receive EPA Approval on Additional Plans	0	0	100%	01-Jul-20 A		EPA	<input type="checkbox"/>	CAR-1010	MOB-0005, CAR-1025, CAR-1030, CAR-1040, CAR-1015, CAR-1020, EIA-1005, PMOB-0005, EIA1005, EIA-9025													al Plans			
31	<b>Construction Regulatory Submittals &amp; Approvals (EIA)</b>			331	228	25.4%	31-Aug-20 A	21-Dec-21	EIA	<input type="checkbox"/>	EPA-1010	CO-0006, EIA1015, EIA1010, EIA-1035													General Regulatory		
32	EIA1005	General Regulatory (Construction Phase)	331	228	25.4%	31-Aug-20 A	21-Dec-21	EIA	<input type="checkbox"/>	EIA1005	EIA-9000															NPDES Reporting	
33	EIA1015	NPDES Reporting (Construction Phase)	331	228	25.4%	31-Aug-20 A	21-Dec-21	EIA	<input type="checkbox"/>																		

Remaining LOE    Remaining Work    ◆ Milestone  
Actual Work    Critical Remaining    ▾ Summary



# HON North Hollywood Operable Unit

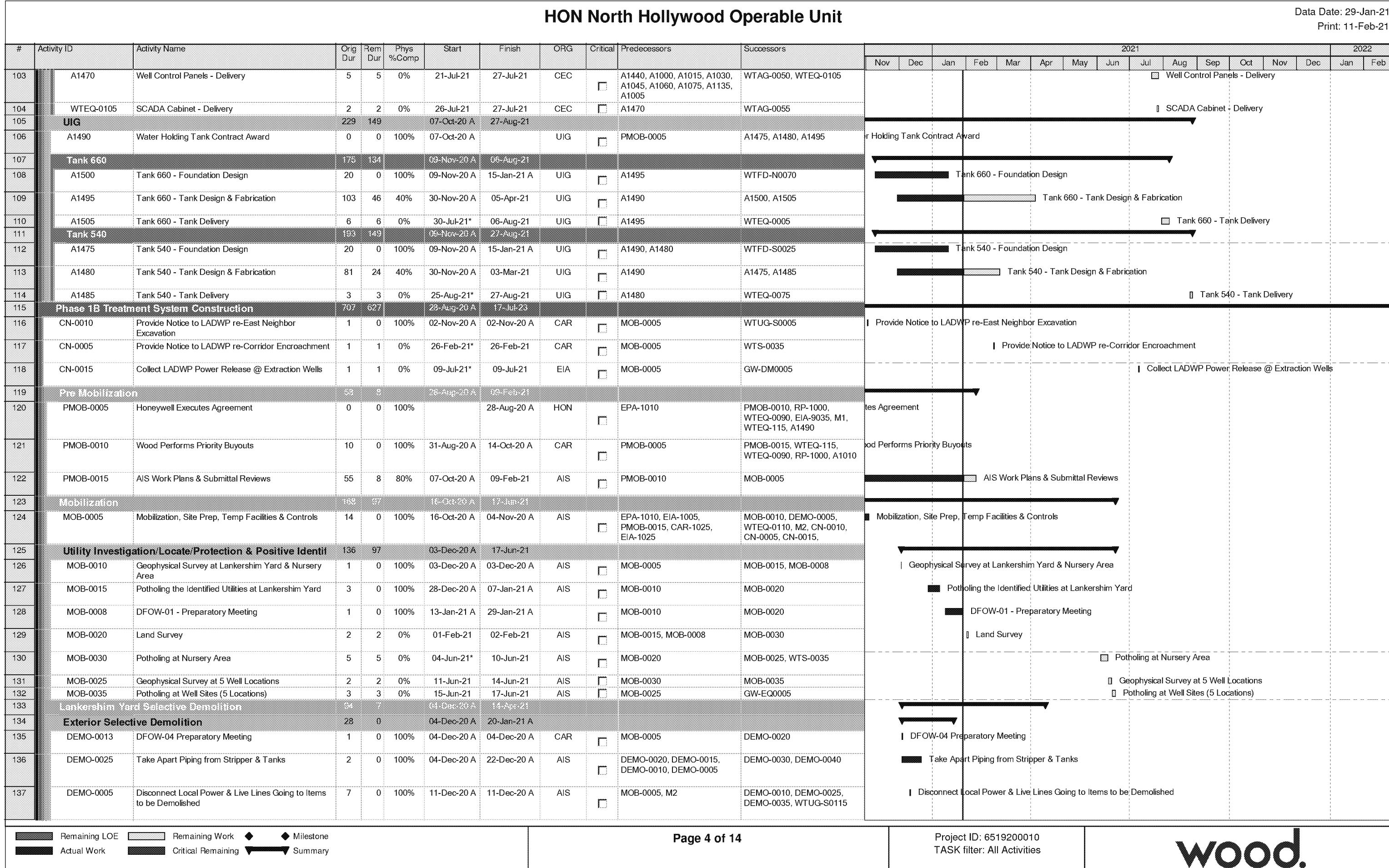
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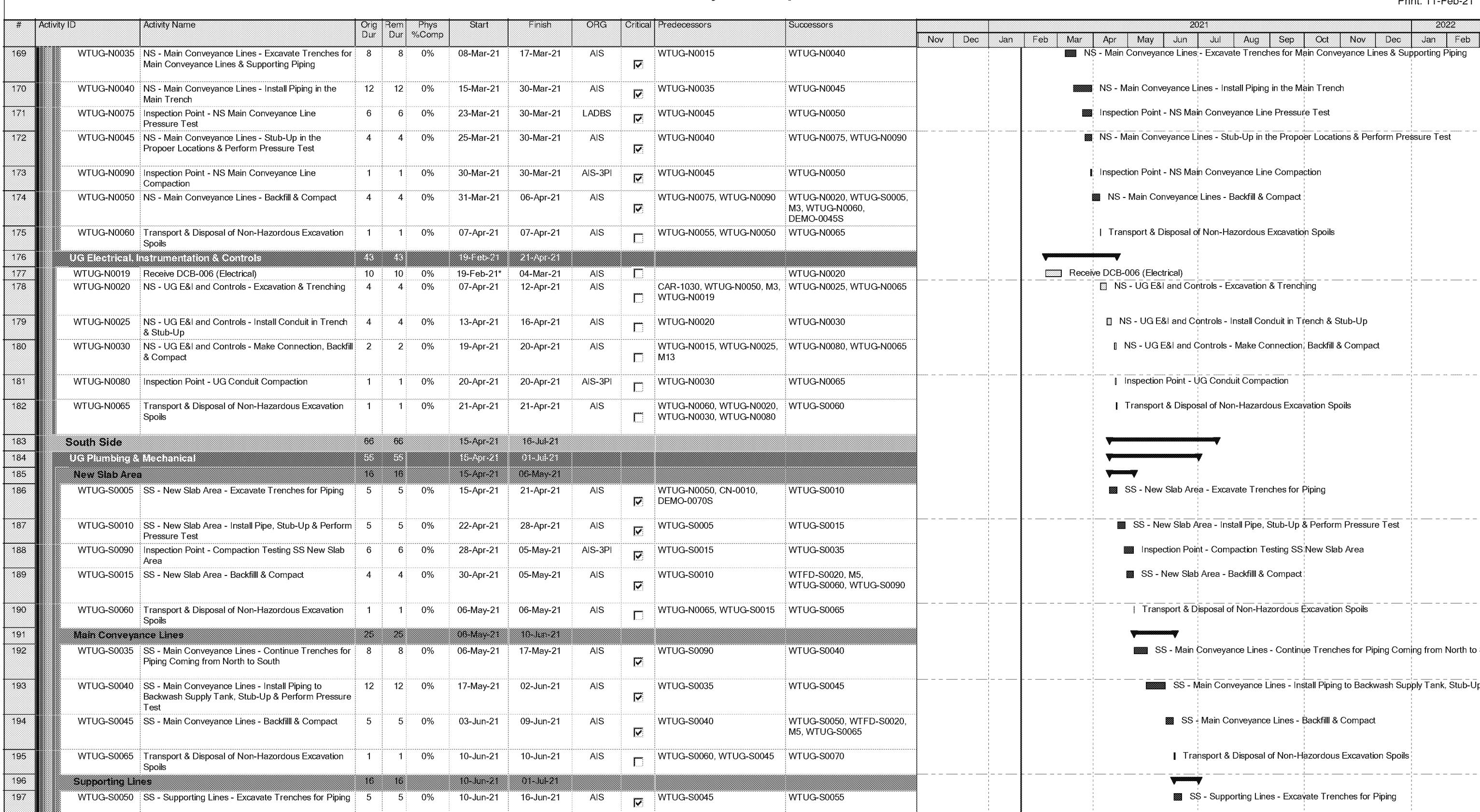




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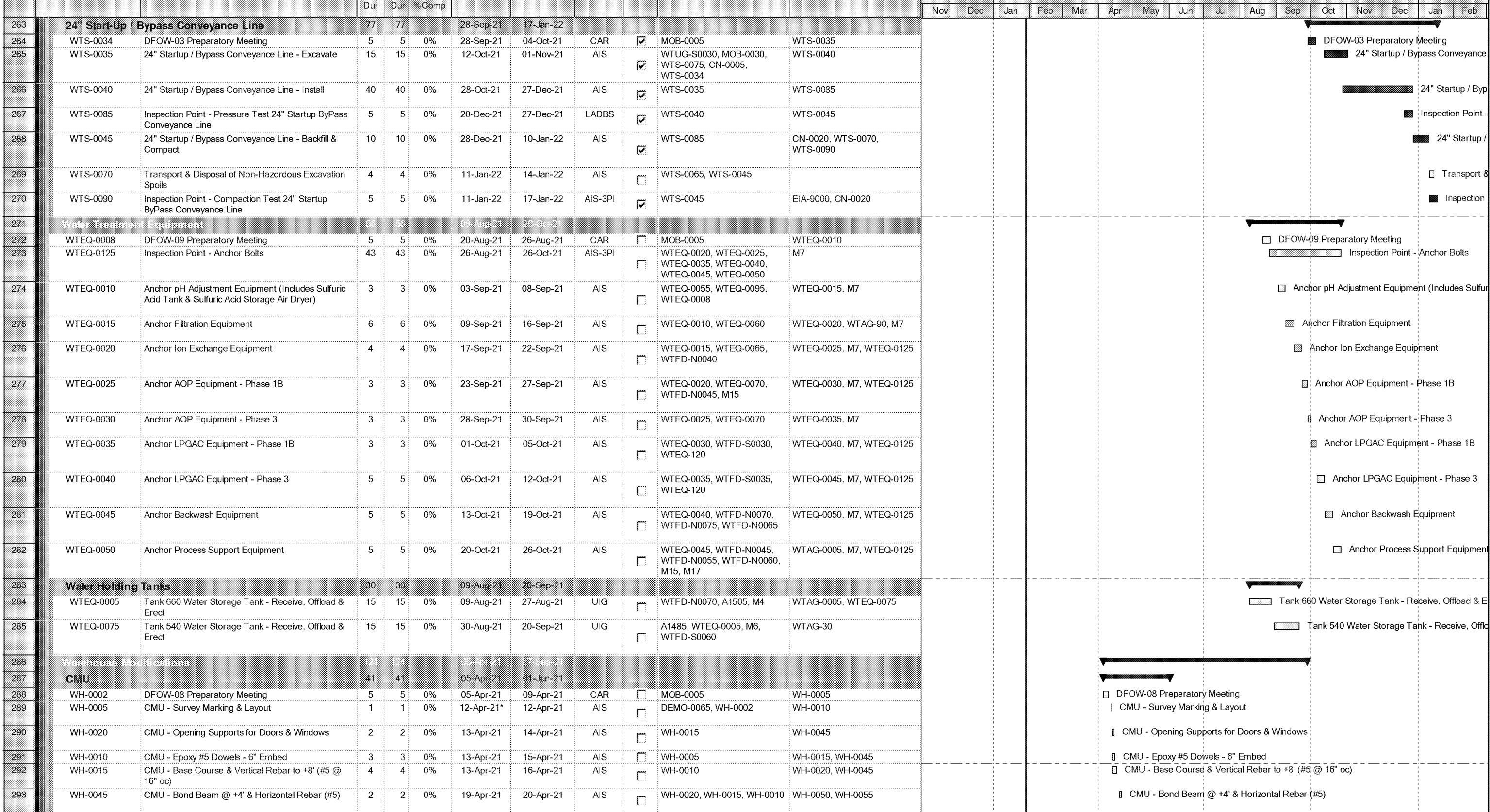
#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	ORG	Critical	Predecessors	Successors		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
231	WTFD-N0085	AOP Equipment Foundations	10	10	0%	16-Jun-21	29-Jun-21	AIS	<input type="checkbox"/>	WTFD-N0075	WTEQ-0070, WTFD-N0090																	
232	WTFD-N0080	Misc Finishes	10	10	0%	16-Jun-21	29-Jun-21	AIS	<input type="checkbox"/>	WTFD-N0075	WTFD-S0005																	
233	<b>South Side</b>		39	39		16-Jul-21	09-Sep-21																					
234	<b>Bollards, Guardrails &amp; Fencing</b>		3	3		07-Sep-21	09-Sep-21																					
235	WTFD-S0010	South Side - Install Guardrails to Protect LPGAC Vessels	1	1	0%	07-Sep-21*	07-Sep-21	AIS	<input type="checkbox"/>	WTFD-S0020	WTFD-S0015																	
236	WTFD-S0015	South Side - Install Guardrails to Protect Backwash Holding Tank & Piping	1	1	0%	08-Sep-21	08-Sep-21	AIS	<input type="checkbox"/>	WTFD-S0010	WTFD-S0005																	
237	WTFD-S0005	South Side - Install Bollards to Protect Utility Transformers	1	1	0%	09-Sep-21	09-Sep-21	AIS	<input type="checkbox"/>	WTFD-S0015, WTFD-N0015, WTFD-N0080																		
238	<b>Concrete Work</b>		31	31		16-Jul-21	27-Aug-21																					
239	WTFD-S0020	Sump S-500, S-510, S-600	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input checked="" type="checkbox"/>	WTUG-S0015, WTUG-S0045, WTUG-S0075, WTUG-S0095	WTFD-S0025, WTFD-S0010, WTFD-S0055																	
240	WTFD-S0025	Backwash Supply Tank Foundation; S-506	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input checked="" type="checkbox"/>	WTFD-S0020, A1475	WTFD-S0030, M6, WTFD-S0060																	
241	WTFD-S0030	LPGAC System Foundation; S-506	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0025	WTFD-S0035, WTEQ-0035																	
242	WTFD-S0035	Future LPGAC System Foundation; S-506	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0030	WTFD-S0040, WTEQ-0040																	
243	WTFD-S0040	Slab Trench Drain; S-701	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0035	WTFD-S0045																	
244	WTFD-S0045	8" SPG; 14/S-601	30	30	0%	16-Jul-21	26-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0040	WTFD-S0050, WTUG-S0085																	
245	WTFD-S0055	Transport & Disposal of Non-Hazardous Excavation Spoils	26	26	0%	23-Jul-21	27-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0050, WTFD-N0090, WTFD-S0020, WTUG-S0080	WTS-0060																	
246	WTFD-S0050	Misc Finishes	10	10	0%	13-Aug-21	26-Aug-21	AIS	<input type="checkbox"/>	WTFD-S0045	WTFD-S0055																	
247	WTFD-S0060	Inspection Point - Backwash Supply Tank Foundation	6	6	0%	19-Aug-21	26-Aug-21	LADBS	<input checked="" type="checkbox"/>	WTFD-S0025	WTEQ-0075, WTEQ-0055, WTS-0005																	
248	<b>Sewers &amp; Conveyance Lines</b>		33	33		16-Sep-21	12-Oct-21																					
249	<b>Sanitary Sewer</b>		13	13		20-Sep-21	06-Oct-21																					
250	WTS-0005	Sanitary Sewer Line - Excavate 8" & 6" Lateral from Backwash Holding Tank	5	5	0%	20-Sep-21	24-Sep-21	AIS	<input checked="" type="checkbox"/>	CAR-1035, WTFD-S0060	WTS-0010																	
251	WTS-0080	Inspection Point - Sanitary Sewer Line Pressure Test & Manholes	5	5	0%	24-Sep-21	30-Sep-21	LADBS	<input checked="" type="checkbox"/>	WTS-0010, WTS-0015	WTS-0050																	
252	WTS-0010	Sanitary Sewer Line - Install Pipe in Trench & Pressure Test from Backwash Holding Tank to Main on Vose St.	2	2	0%	27-Sep-21	28-Sep-21	AIS	<input checked="" type="checkbox"/>	WTS-0005	WTS-0015, WTS-0080																	
253	WTS-0015	Sanitary Sewer Line - Install 3 Manholes (2 by AIS & 1 by Sub)	4	4	0%	27-Sep-21	30-Sep-21	AIS	<input checked="" type="checkbox"/>	WTS-0010	WTS-0080																	
254	WTS-0050	Sanitary Sewer Line - Public Street Work (Restoration)	3	3	0%	01-Oct-21	05-Oct-21	AIS	<input checked="" type="checkbox"/>	WTS-0080	WTS-0020, WTS-0060																	
255	WTS-0060	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	06-Oct-21	06-Oct-21	AIS	<input type="checkbox"/>	WTS-0050, WTFD-S0055	WTS-0065																	
256	<b>Storm Sewer</b>		9	9		06-Oct-21	18-Oct-21																					
257	WTS-0020	Storm Sewer - Trenching & Piping of New 4" to 6" & 8" PVC Pipe	2	2	0%	06-Oct-21	07-Oct-21	AIS	<input checked="" type="checkbox"/>	WTS-0050	WTS-0025																	
258	WTS-0025	Storm Sewer - Pipe to Maxwell Plus drywell Infiltration System	1	1	0%	08-Oct-21	08-Oct-21	AIS	<input checked="" type="checkbox"/>	WTS-0020	WTS-0030																	
259	WTS-0030	Storm Sewer - Leak Test Pipe/ Backfill and Compact	1	1	0%	11-Oct-21	11-Oct-21	AIS	<input checked="" type="checkbox"/>	WTS-0025	CN-0020, WTS-0065, WTS-0075																	
260	WTS-0075	Inspection Point - Leak Test Pipe Compaction Test	1	1	0%	11-Oct-21	11-Oct-21	AIS-3PI	<input checked="" type="checkbox"/>	WTS-0030	WTS-0035, WTS-0055																	
261	WTS-0055	Install Maxwell Drywell System	4	4	0%	12-Oct-21	15-Oct-21	TOR	<input type="checkbox"/>	WTS-0075	CN-0020, WTS-0065																	
262	WTS-0065	Transport & Disposal of Non-Hazardous Excavation Spoils	1	1	0%	18-Oct-21	18-Oct-21	AIS	<input type="checkbox"/>	WTS-0055, WTS-0030, WTS-0060	WTS-0070, GW-EX0005																	

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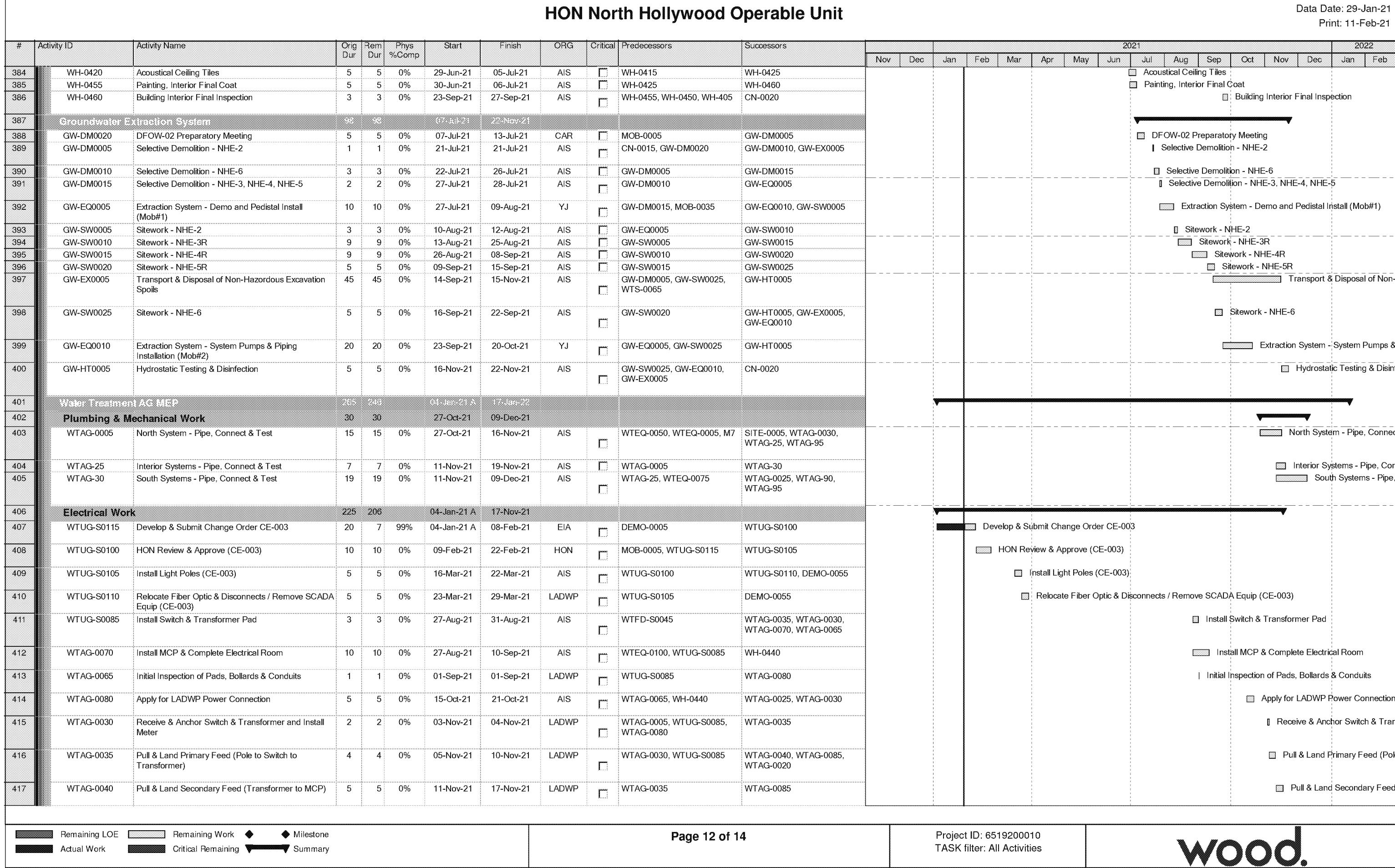




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Project ID: 6519200010  
TASK filter: All Activities

wood.

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#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	ORG	Critical	Predecessors	Successors	2021												2022			
												Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
418	WTAG-0085	Power Feed Complete	5	5	0%	11-Nov-21	17-Nov-21	LADWP	□	WTAG-0035, WTAG-0040	WTAG-0025, WTAG-90, WTAG-95														□ Power Feed Complete		
419		Instrumentation & Control Work	25	25	0%	04-Nov-21	10-Dec-21																				▼
420	WTAG-0045	DFOW-11 Preparatory Meeting	5	5	0%	04-Nov-21	10-Nov-21	CAR	□	MOB-0005	WTAG-0055															□ DFOW-11 Preparatory Meeting	
421	WTAG-0020	Instrumentation & Controls Work	10	10	0%	11-Nov-21	24-Nov-21	AIS	□	WTAG-0035	WTAG-0025, WTAG-0050, WTAG-90, WTAG-95, WTAG-100														■ Instrumentation & Controls		
422	WTAG-0050	Install Secondary Panels	10	10	0%	11-Nov-21	24-Nov-21	AIS	□	A1470, A1440, WTAG-0020	WTAG-0055, WTAG-90, WTAG-95, WTAG-100														■ Install Secondary Panels		
423	WTAG-0055	Install & Connect SCADA Systems	10	10	0%	11-Nov-21	24-Nov-21	AIS	□	WTAG-0050, WTEQ-0105, A1450, A1230, WTAG-0045	WTAG-0025, WTAG-0090, WTAG-105, WTAG-90, WTAG-95, WTAG-100													■ Install & Connect SCADA S			
424	WTAG-0090	Install Video Surveillance System	10	10	0%	11-Nov-21	24-Nov-21	RDS	□	WTAG-0055	WTAG-0025														■ Install Video Surveillance Sy		
425	WTAG-105	A&C Pre-Commissioning Support for SCADA	10	10	0%	29-Nov-21	10-Dec-21	CEC	□	WTAG-0055	AIS-9000														■ A&C Pre-Commissioni		
426		Pre-Com. Testing & Disinfection	35	35	0%	29-Nov-21	17-Jan-22																			▼	
427	WTAG-100	Pre-Commissioning Testing & Disinfection - Calgon - LPGAC System	10	10	0%	29-Nov-21	10-Dec-21	AIS	□	WTAG-0020, WTAG-0050, WTAG-0055	CN-0020, WTAG-115														■ Pre-Commissioning Te		
428	WTAG-0025	Pre-Commissioning Testing & Disinfection - AIS	5	5	0%	10-Dec-21	16-Dec-21	AIS	□	WTAG-0020, WTAG-30, WTAG-0055, WTAG-0085, WTAG-0090, WTAG-0080	CN-0020													■ Pre-Commissioning			
429	WTAG-90	Pre-Commissioning Testing & Disinfection - Rosedale (Inlet Strainer & Bag Filters)	5	5	0%	10-Dec-21	16-Dec-21	AIS	□	WTEQ-0015, WTAG-30, WTAG-0085, WTAG-0020, WTAG-0050, WTAG-0055	CN-0020													■ Pre-Commissioning			
430	WTAG-95	Pre-Commissioning Testing & Disinfection - Calgon - Ion Exchange Equipment	10	10	0%	10-Dec-21	23-Dec-21	AIS	□	WTAG-30, WTAG-0005, WTAG-0085, WTAG-0020, WTAG-0050, WTAG-0055	CN-0020, WTAG-110													■ Pre-Commissionin			
431	WTAG-115	Receive & Install Media - Calgon - LPGAC System Equipment	1	1	0%	13-Dec-21	13-Dec-21	AIS	□	WTEQ-120, WTAG-100	CN-0020														■ Receive & Install Med		
432	WTAG-110	Receive & Install Media - Calgon - Ion Exchange Equipment	1	1	0%	27-Dec-21	27-Dec-21	AIS	□	WTEQ-0065, WTAG-95	CN-0020														■ Receive & Install		
433	CN-0020	Substantial Completion	0	0	0%		17-Jan-22	CAR	☒	WTAG-0025, SITE-0020, GW-HT0005, WH-0275, WH-0460, WTS-0030, WTS-0055, WH-0135, WTS-0045, WTUG-S0075, WTAG-100, WTAG-95, WTAG-90, WTAG-110, WTAG-115, WTS-0090	EPA-1015, CO-0005, M8												◆ Substantial				
434		Site Features & Topping	35	35	0%	29-Nov-21	17-Jan-22																			▼	
435	SITE-0005	Fabric Shade Structure	2	2	0%	27-Oct-21	28-Oct-21	AIS	□	WTAG-0005	SITE-0010														■ Fabric Shade Structure		
436	SITE-0010	Asphalt Replacement	10	10	0%	29-Oct-21	11-Nov-21	AIS	□	SITE-0005	SITE-0015														■ Asphalt Replacement		
437	SITE-0015	Entrance Gate Inductive Loop Replacement	1	1	0%	11-Nov-21	11-Nov-21	AIS	□	SITE-0010	SITE-0020														■ Entrance Gate Inductive Loop R		
438	SITE-0020	Perform As-Built Survey	2	2	0%	12-Nov-21	15-Nov-21	CAL	□	SITE-0015	CN-0020														■ Perform As-Built Survey		
439		Commissioning Plan Development	64	64	0%	29-Jan-21*	31-Mar-21	EIA	□	EPA-1010	EIA-9030, CO-0025, EIA-9050														■ Commissioning Plan Development		
440	EIA-9025	Draft Commissioning Plan Development	44	44	0%	29-Jan-21*	31-Mar-21	EIA	□	EPA-1010	EIA-9030, CO-0025, EIA-9050														◆ Draft Commissioning Plan Development		
441	EIA-9050	Submit Commissioning Plan to LADWP	0	0	0%		31-Mar-21	EIA	□	EIA-9025	EIA-9055														◆ Submit Commissioning Plan to LADWP		
442	EIA-9055	LADWP Review/Comment Draft Commissioning Plan	44	44	0%	01-Apr-21	03-Jun-21	LADWP	□	EIA-9050	EIA-9060														■ LADWP Review/Comment Draft Commissioning Plan		
443	EIA-9060	Incorporate LADWP Commissioning Plan Comments	10	10	0%	04-Jun-21	17-Jun-21	EIA	□	EIA-9055	EIA-9065														■ Incorporate LADWP Commissioning Plan Comments		
444	EIA-9065	Submit Commissioning Plan to LADWP/DDW for Approval	0	0	0%		17-Jun-21	EIA	□	EIA-9060	EIA-9070														◆ Submit Commissioning Plan to LADWP/DDW for Approval		
445	EIA-9070	LADWP/DDW Review/Approve Commissioning Plan	64	64	0%	18-Jun-21	16-Sep-21	LADWP	□	EIA-9065	EIA-9075														■ LADWP/DDW Review/Approve Commissioning		
446	EIA-9075	Commissioning Plan Approved	0	0	0%		16-Sep-21	LADWP	□	EIA-9070	EIA-9000, AIS-9000													◆ Commissioning Plan Approved			

Remaining LOE    Remaining Work    ◆ Milestone  
Actual Work    Critical Remaining    ▼ Summary

# HON North Hollywood Operable Unit

Data Date: 29-Jan-21  
Print: 11-Feb-21

#	Activity ID	Activity Name	Orig Dur	Rem Dur	Phys %Comp	Start	Finish	ORG	Critical	Predecessors	Successors	2021												2022			
												Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
447	EIA-9005	Final Completion (Complete Punch, Closeout & Demob)	0	0	0%		17-Dec-21	CAR	<input type="checkbox"/>	EIA-9035	CO-0025, EIA-9010															◆ Final Completion (C)	
448	AIS-9000	Commissioning Startup Support - AIS	21	21	0%	19-Jan-22	16-Feb-22	EIA	<input type="checkbox"/>	EPA-1015, EIA-9000, WTAG-105, EIA-9075	EIA-9010															◻ C	
449	EIA-9000	Commissioning - EIA	62	62	0%	19-Jan-22	14-Apr-22	EIA	<input checked="" type="checkbox"/>	WTS-0090, EPA-1015, EIA1015, EIA-9075	EIA-9010, EIA-9015, EIA-9015, EIA-9030, CO-0025, M9, AIS-9000															█	
450	EIA-9010	Post Commissioning O&M	318	318	0%	18-Apr-22	17-Jul-23	EIA	<input checked="" type="checkbox"/>	CO-0020, EIA-9000, EIA-9015, EIA-9005, EIA-9030, AIS-9000, M9	EIA-9020, EIA-9020, EIA-9045, EIA-9045																
451	EIA-9030	Commissioning Report	44	44	0%	19-May-22	21-Jul-22	EIA	<input type="checkbox"/>	EIA-9000, EIA-9025	EIA-9010, CO-0015, M10																
452	<b>Post Construction: Regulation Submittals &amp; Approvals (C)</b>																										
453	CO-0024	Loop Diagram Development	40	40	75%	27-Oct-20 A	25-Mar-21	EIA	<input type="checkbox"/>	M1	CO-0025																Loop Diagram Development
454	CO-0025	Construction Completion Report	87	87	0%	14-Dec-21	14-Apr-22	EIA	<input type="checkbox"/>	EIA-9025, EIA-9000, EIA-9005, CO-0010, CO-0020, CO-0024	CO-0010, CO-0020, CO-0020, CO-0015, M12																
455	CO-0006	General Regulatory (Post Construction)	349	349	0%	22-Dec-21	04-May-23	EIA	<input type="checkbox"/>	EIA1005	M16																
456	CO-0010	RLT Implementation (Post Construction)	349	349	0%	29-Dec-21	10-May-23	EIA	<input type="checkbox"/>	EIA1010, CO-0025	M11																
457	CO-0020	Final O&M Manual	87	87	0%	06-Apr-22	09-Aug-22	EIA	<input type="checkbox"/>	CO-0025, CO-0025	EIA-9010																
458	CO-0015	Certificate of Substantial Completion from EPA	0	0	0%		20-Jun-23	EPA	<input type="checkbox"/>	CO-0005, EIA-9030, CO-0025, M10	M16																
459	<b>Engineering Support</b>																										
460	<b>Engineering Support During Construction</b>																										
461	EIA-9035	General Engineering Support During Construction, Construction, QC	265	226	14.7%	02-Oct-20 A	17-Dec-21	EIA	<input type="checkbox"/>	PMOB-0005	EIA-9040, EIA-9005																General Engineering
462	EIA-9040	Support During Phase 1B Piping Installation (Offsite)	56	56	0%	22-Jun-21	08-Sep-21	EIA	<input type="checkbox"/>	EIA-9035	EIA-9015																Support During Phase 1B Piping Installation (Offsite)
463	<b>Engineering Support During Post-Construction</b>																										
464	<b>Groundwater Monitoring</b>																										
465	CO-0005	Submit Site Wide Monitoring Plan	51	51	0%	03-Nov-21	17-Jan-22	EIA	<input type="checkbox"/>	CN-0020	CO-0015																Submit Site
466	EIA-9015	GW Monitoring / Reporting During Commissioning	62	62	0%	19-Jan-22	14-Apr-22	EIA	<input checked="" type="checkbox"/>	EIA-9000, EIA-9000, EIA-9040	EIA-9010, M9																
467	EIA-9020	GW Monitoring / Reporting During O&M	318	318	0%	18-Apr-22	17-Jul-23	EIA	<input checked="" type="checkbox"/>	EIA-9010, EIA-9010	M11																
468	EIA-9045	O&M NPDES Support	318	318	0%	18-Apr-22	17-Jul-23	EIA	<input checked="" type="checkbox"/>	EIA-9010, EIA-9010	M11																

Remaining LOE  
 Remaining Work  
 ◆ Milestone  
 ◆ Critical Remaining  
 ▼ Summary